the breakage or deformation of said ring gear coupling.

11. In a planetary gear train having

sun gear connected to a first external device,

a ring gear secured to a ring gear housing, said ring gear housing being connected to a second external device, and

a plurality of planet gears rotatably mounted in a planet carrier and meshing with said sun gear and said ring gear,

a coupling, characterized by:

at least one undulant flexible section joined to an inflexible spindle, said flexible section comprising a cylindrical ring having a diameter greater than the diameter of said spindle and joined thereto by two longitudinally spaced apart diaphragms, the juncture between said diaphragms, said ring and said spindle being curved in cross section to improve flexibility and minimize stress concentrations, said coupling connecting one of said sun gear and said ring gear housing to an external device and accommodating misalignment therebetween.

12. In a planetary gear train having

a sun gear connected to a first external device,

a ring gear secured to a ring gear housing, said ring gear housing being connected to a second external device, and

a plurality of planet gears rotatably mounted in a planet carrier and meshing with said sun gear and said ring gear,

a coupling, characterized by:

at least one undulant flexible portion joined to an inflexible hub, said flexible portion comprising an arch radially outward of and connected to said hub, the juncture therebetween being curved in cross section to improve flexibility and minimize stress concentrations, said coupling connecting one of said sun gear and said ring gear housing to an external device and accommodating misalignment therebetween.

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